AMENDMENTS TO THE CLAIMS

- 1-5. (Cancelled)
- 6. (Currently Amended) <u>A method of wireless data</u> communication, the method comprising:

receving a plurality of encoded data bits;

decoding the plurality of encoded data bits in a manner deemphasizing a subset of the plurality of encoded data bits, the de-emphasizing being based on an estimate of the likelihood of the subset having been received correctly The method of Claim 1, wherein the likelihood estimate is determined based upon known training patterns to determine which bits will be undesirable, wherein the training patterns are received and examined to find a statistics of errors.

7. (Currently Amended) <u>A method of wireless data</u> communication, the method comprising:

receving a plurality of encoded data bits;

decoding the plurality of encoded data bits in a manner deemphasizing a subset of the plurality of encoded data bits, the de-emphasizing being based on an estimate of the likelihood of the subset having been received correctly The method of Claim 1, wherein the likelihood estimate is determined based upon an error rate among training patterns.

- 8-9. (Cancelled)
- 10. (Currently Amended) A method of wireless data communication, the method comprising:

receving a plurality of encoded data bits;

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decoding the plurality of encoded data bits in a manner deemphasizing a subset of the plurality of encoded data bits, the de-emphasizing being based on an estimate of the likelihood of the subset having been received correctly The method of Claim 1, wherein the likelihood estimate is determined based upon checking a SNR of each of a plurality of bins and weighting accordingly using Maximum Likelihood criteria, derived from before or after decoding.

11. (Cancelled)

12. (Currently Amended) A method of wireless data communication, the method comprising:

receving a plurality of encoded data bits;

decoding the plurality of encoded data bits in a manner deemphasizing a subset of the plurality of encoded data bits, the de-emphasizing being based on an estimate of the likelihood of the subset having been received correctly The method of Claim 1, wherein the likelihood estimate changes based upon a change to a determined frequency hopping interferer.

13. (Currently Amended) <u>A method of wireless data</u> communication, the method comprising:

receving a plurality of encoded data bits;

decoding the plurality of encoded data bits in a manner deemphasizing a subset of the plurality of encoded data bits, the
de-emphasizing being based on an estimate of the likelihood of
the subset having been received correctly The method of Claim 1,
wherein the likelihood estimate is based upon interpolating
frequency bins selected for puncturing based on frequency offset
estimation.

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14-42. (Cancelled)

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